Appendix E

WASTE CHARACTERIZATION DATA

Report to the Legislature–

A Comprehensive Analysis of the Integrated Waste Management Act Diversion Rate Measurement System

August 2, 2001

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
INTEGRATED WASTE
MANAGEMENT BOARD

Appendix E

Table of Contents

Table: Composition of the Overall Disposed Waste Stream by Material Type

	Est. Pct.	+/-	Est. Tons
Paper	30.2%		11,336,608
Uncoated Corrugated Cardboard	4.6%	0.2%	1,720,481
Paper Bags	0.7%	0.0%	276,024
Newspaper	4.3%	0.3%	1,605,283
White Ledger Paper	2.3%	0.2%	857,684
Colored Ledger Paper	0.2%	0.0%	63,602
Computer Paper	0.3%	0.1%	120,878
Other Office Paper	1.7%	0.2%	623,758
Magazines and Catalogs	1.9%	0.1%	706,443
Phone Books and Directories	0.3%	0.1%	105,310
Other Miscellaneous Paper	4.4%	0.2%	1,651,999
Remainder/Composite Paper	9.6%	0.4%	3,605,147
Glass	2.8%		1,067,358
Clear Glass Bottles & Containers	1.4%	0.1%	534,199
Green Glass Bottles & Containers	0.4%	0.1%	162,716
Brown Glass Bottles & Containers	0.5%	0.0%	176,791
Other Colored Glass Bottles & Containers	0.0%	0.0%	7,238
Flat Glass	0.1%	0.0%	24,489
Remainer/Composite Glass	0.4%	0.1%	161,926
Metal	6.1%		2,283,719
Tin/Steel Cans	1.0%	0.1%	358,343
Major Appliances	0.1%	0.0%	24,542
Other Ferrous Metal	2.4%	0.3%	914,632
Aluminum Cans	0.2%	0.0%	91,900
Other Non-Ferrous Metal	0.3%	0.0%	98,720
Remainder/Composite Metal	2.1%	0.3%	795,581
Plastic	8.9%		3,336,503

	Est. Pct.	+/-	Est. Tons
Other Organic	35.1%		13,180,679
Food	15.7%	0.6%	5,893,241
Leaves & Grass	7.9%	0.7%	2,963,968
Prunings & Trimmings	2.2%	0.4%	834,441
Branches & Stumps	0.1%	0.1%	55,867
Agricultural Crop Residues	0.0%	0.0%	1,863
Manures	0.1%	0.1%	52,016
Textiles	2.1%	0.3%	789,707
Remainder/Composite Organic	6.9%	0.5%	2,589,575
Construction & Demolition	11.6%		4,337,772
Concrete	1.2%	0.2%	441,742
Asphalt Paving	0.1%	0.1%	52,357
Asphalt Roofing	0.7%	0.2%	266,200
Lumber	4.9%	0.5%	1,842,527
Gypsum Board	1.1%	0.2%	425,051
Rock, Soil & Fines	1.3%	0.3%	486,947
Remainder/Composite C&D	2.2%	0.3%	822,948
Household Hazardous Waste	0.3%		112,385
Paint	0.1%	0.0%	44,498
Vehicle & Equipment Fluids	0.0%	0.0%	14,348
Used Oil	0.0%	0.0%	1,667
Batteries	0.1%	0.0%	32,639
Remainder/Composite HHW	0.1%	0.0%	19,233
Special Waste	3.1%		1,171,770
Ash	0.1%	0.0%	22,650
Sewage Solids	0.0%	0.0%	0
Industrial Sludge	0.0%	0.0%	19

HDPE Containers	0.8%	0.0%	291,199	Treated Medical Waste	0.0%	0.0%	6,836
PETE Containers	0.5%	0.0%	169,494	Bulky Items	1.8%	0.6%	692,804
Miscellaneous Plastic Containers	0.7%	0.1%	253,219	Tires	0.4%	0.2%	153,964
Film Plastic	3.9%	0.2%	1,453,588	Remainder/Composite Special Waste	0.8%	0.3%	295,497
Durable Plastic Items	1.8%	0.2%	666,450				
Remainder/Composite Plastic	1.3%	0.1%	502,552	Mixed Residue	1.8%	0.2%	673,206
Sample count: 1,682				Totals	100.0%		37,500,000

Confidence intervals calculated at the 90% confidence level. Percentages for materials may not total 100% due to rounding.

NOTE: Does not include materials recycled, composted, or source reduced.   Tonnages reflect Disposal Reporting System estimated 1999 figures.

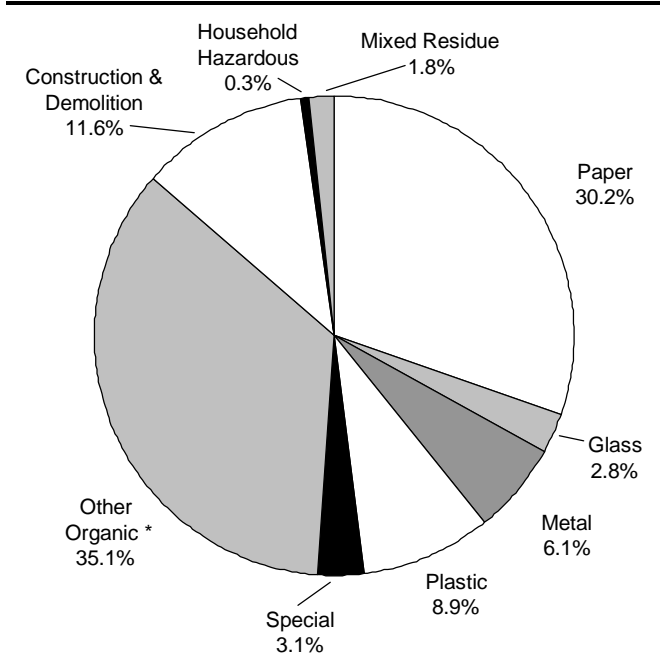## Figure ES - 1: Material Classes in the Overall Disposed Waste Stream

Household Hazardous
0.3%

Mixed Residue
1.8%

Construction & Demolition
11.6%

Paper
30.2%

Glass
2.8%

Metal
6.1%

Plastic
8.9%

Special
3.1%

Other Organic *
35.1%

Figure ES - 2: Material Classes in the Commercial Disposed Waste Stream

Household Hazardous
0.3%

Construction & Demolition
6.4%

Mixed Residue
0.5%

Special
4.1%

Plastic
9.8%

Paper
39.0%

Glass
2.4%

Metal
6.0%
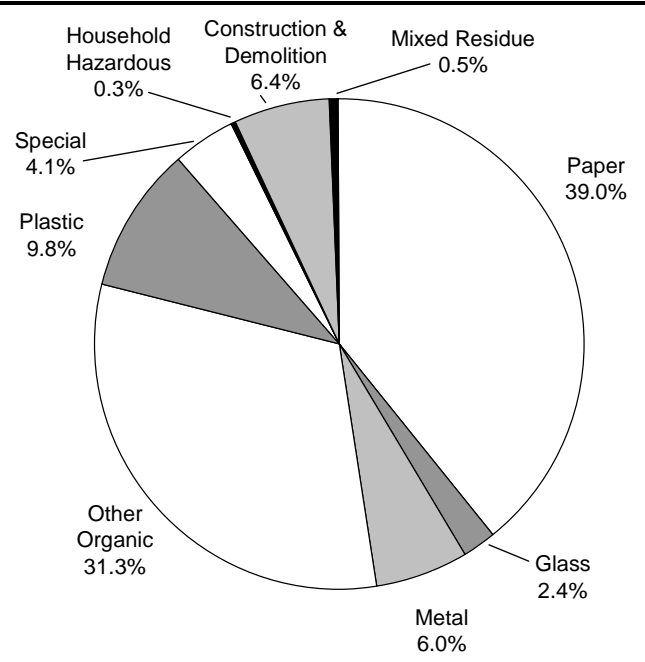
Other Organic
31.3%

Figure ES - 3: Material Classes in the Residential Disposed Waste Stream

Household Hazardous
0.3%

Mixed Residue
4.0%

Construction &
Demolition
4.5%

Paper
27.4%

Glass
4.0%

Metal
4.6%

Other
Organic
45.0%

Plastic
8.8%

Special
1.2%
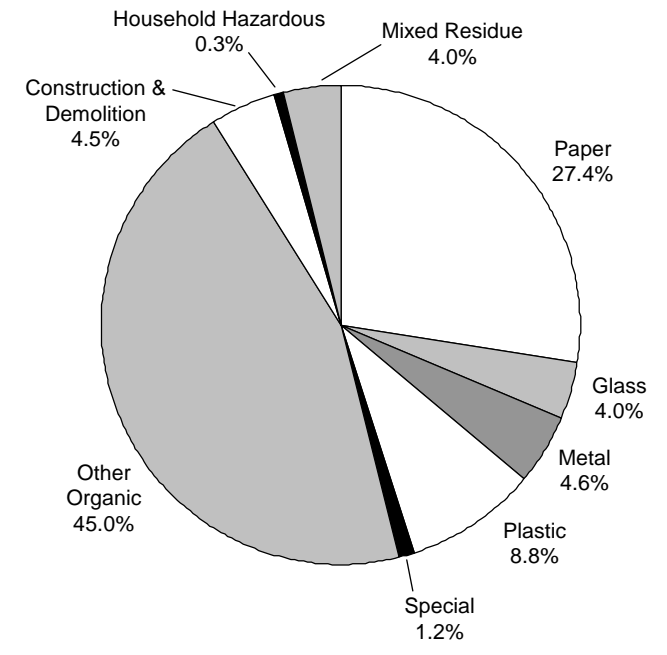
Figure ES - 4: Material Classes in the Self-Haul Disposed Waste Stream

Mixed Residue
0.2%

Paper
5.5%

Glass
1.0%

Construction &
Demolition
51.3%

Metal
10.6%

Other
Organic
20.8%

Plastic
5.6%

Household Hazardous
0.1%

Special
4.9%
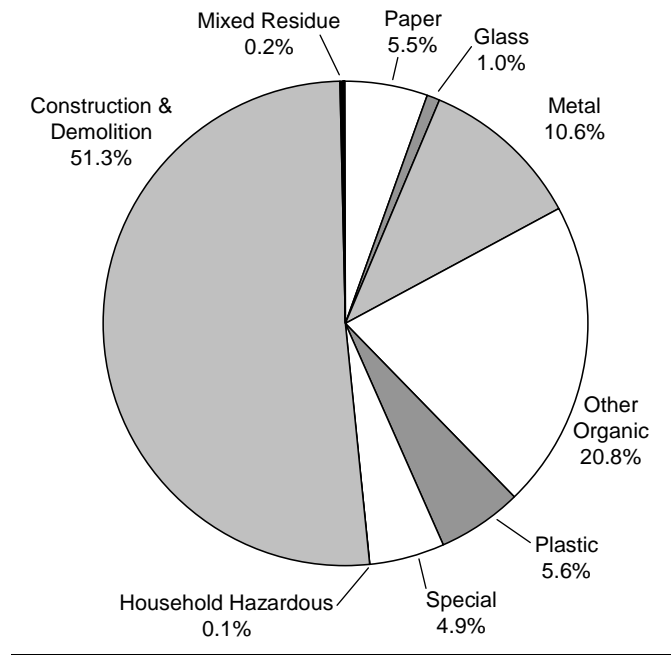
* The class *Other Organic Waste* includes materials such as food, yard waste, textiles, carpet, and rubber.